**Knowledge Organiser**

**Autumn Term 2 Set 3c Year 11**

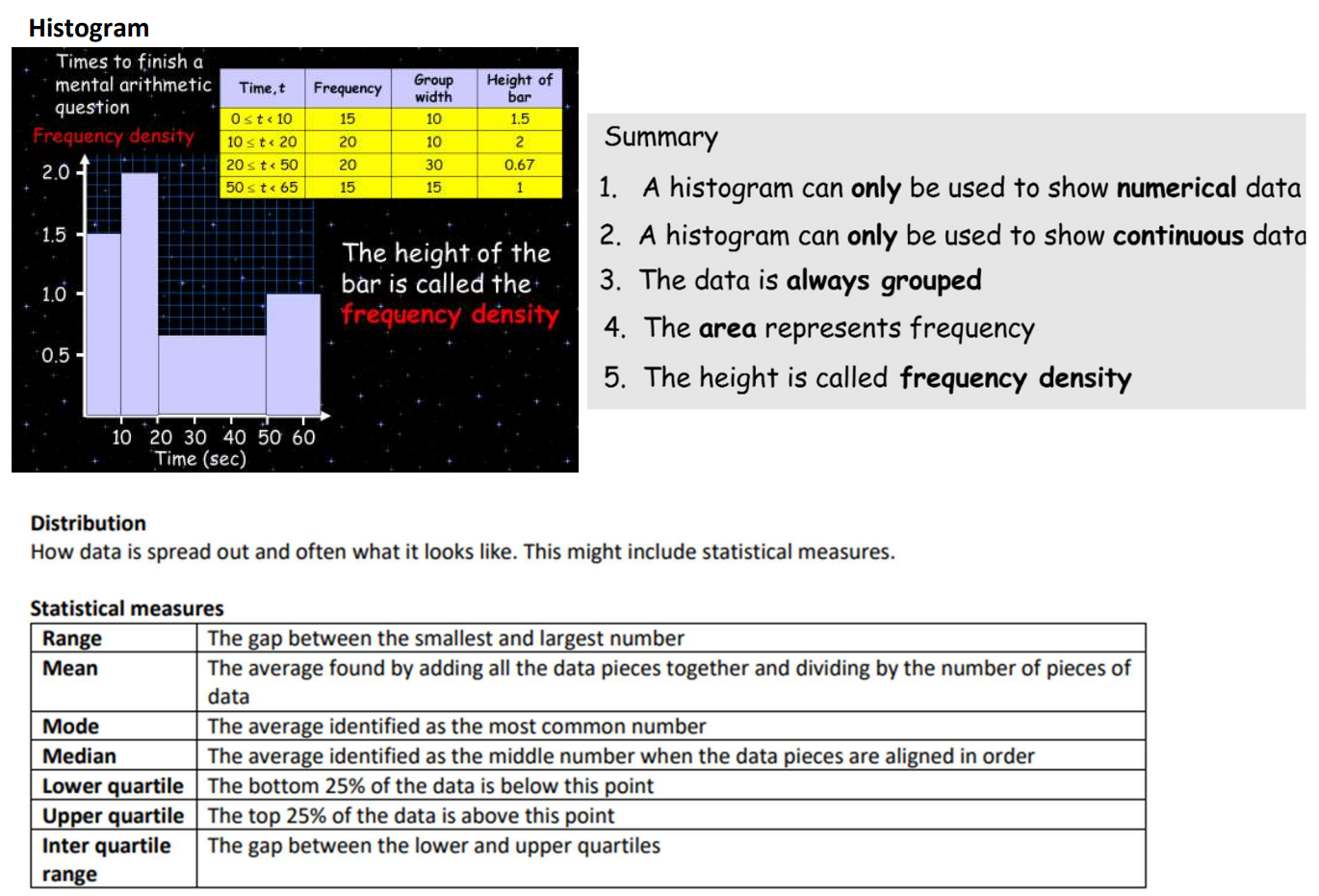
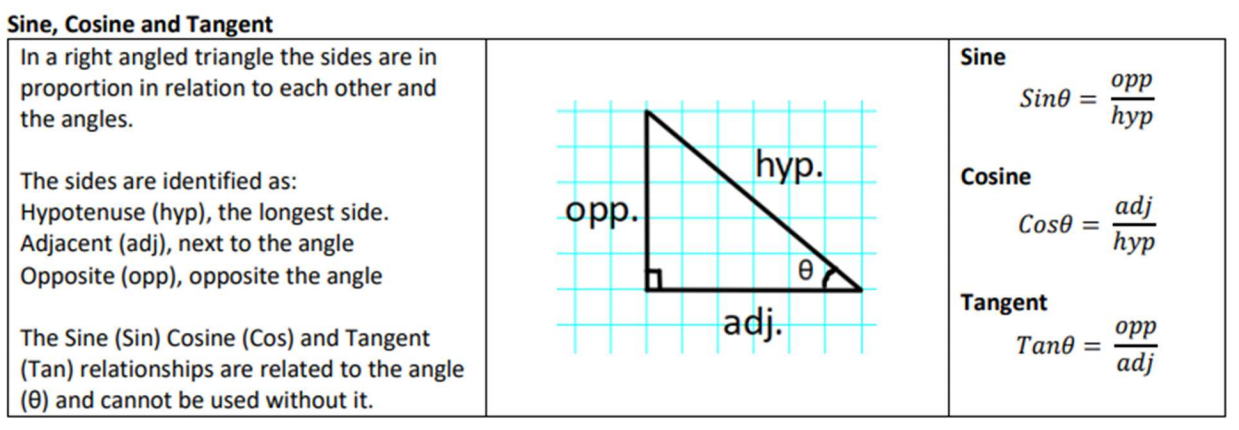
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| Topic | **Self-Assessment** | **Independent Learning and**  **homework tasks** | |
| **MyMaths** | **CorbettMaths.com** |
| Factorising quadratic expressions, of the form ax2+bx+c, including the difference of two squares. |  | Algebra, Algebra Manipulation, Factorising Quadratics | Quadratics (factorising) video 266 |
| Solving quadratic equations by factorising. |  | Algebra, Equations – quadratics, Quadratic Equations 2 | Video 266 |
| Identifying triangles are congruent. |  |  |  |
| Using congruent triangles for geometric proofs. |  | Shape, Angles, Angle Proof | Video 366 |
| Understanding properties of similar shapes. |  | Shape, Scale and Similarity |  |
| Using similar triangles to calculate lengths of unknown sides. |  | Shape, Scale and Similarity | Video 294 |
| Calculating unknown sides and angles of right-angled triangles using sine, cosine and tangent. |  | Shape, Trigonometry | Video 330-1 |
| Know the exact values of sinθ and cosθ and tanθ for θ = 0°, 30°, 45° , 60° and 90° |  | Shape, Trigonometry | Video 341 |
| Drawing and interpreting histograms.  Calculating frequency density. |  | Data, Presenting Data, Histograms | Video 157 - 8 |

**Extra practice and support :**

1. Set up an account on parallel.org.uk website, using your school email address and use teacher code “ha52kh”
2. Attend Maths Clinic one lunch time each week



**Scan for full list of Maths facts**

**Autumn Term 2 Knowledge**

